

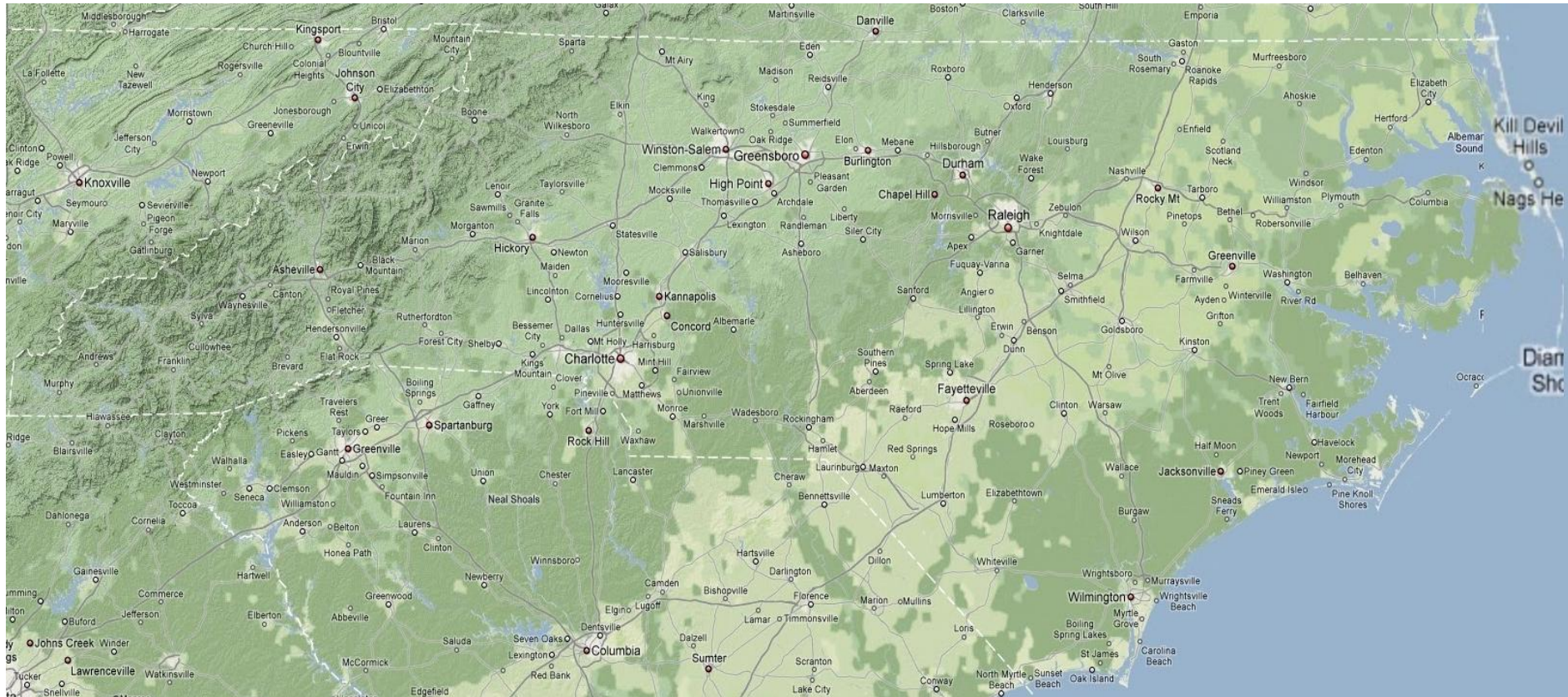
NORTH CAROLINA SEA GRANT PROGRAM 2010 NSGO REVIEW

Terry Smith

North Carolina Sea Grant

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North Carolina and its Marine Coastal Region



Program Management

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■ Management Team

■ Executive Director, Mike Voiland

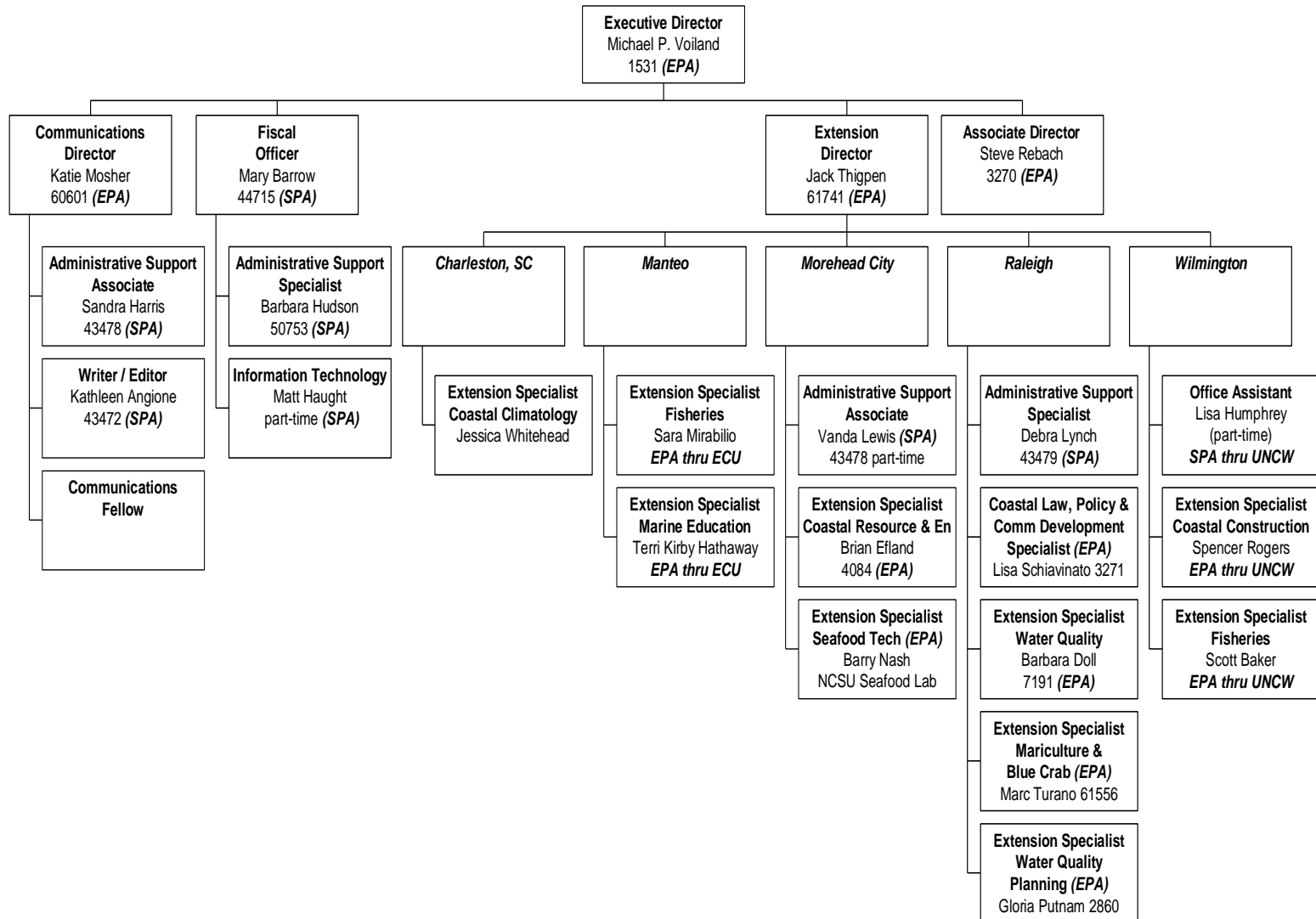
■ Associate Director, Steve Rebach

■ Extension Director, Jack Thigpen

■ Communications Director, Katie Mosher

■ Fiscal Officer, Mary Beth Barrow

North Carolina Sea Grant Organization



Extension Program

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Lisa Schiavinato - Coastal Law, Policy & Community Development Specialist
Spencer Rogers - Coastal Construction & Erosion Specialist
Gloria Putnam - Water Quality Planning Specialist
Barbara Doll - Water Quality Specialist
Barry Nash - Seafood Technology & Marketing Specialist
Sara Mirabilio - Fisheries Specialist
M. Scott Baker, Jr. - Fisheries Specialist
Marc Turano - Mariculture and Blue Crab Specialist
Brian Efland - Marine Conservation & Enterprise Development Specialist
Terri Kirby Hathaway - Marine Education Specialist
Jessica Whitehead - Regional Climate Extension Specialist
Kathleen Angione— Communicator
Communications Fellow (annual search/hiring)
Mike Voiland – Executive Director
Steve Rebach – Associate Director
Jack Thigpen – Extension Director
Katie Mosher – Communications Director
Mary Beth Barrow – Fiscal Officer

Program Management

Advisory Groups

NC SG

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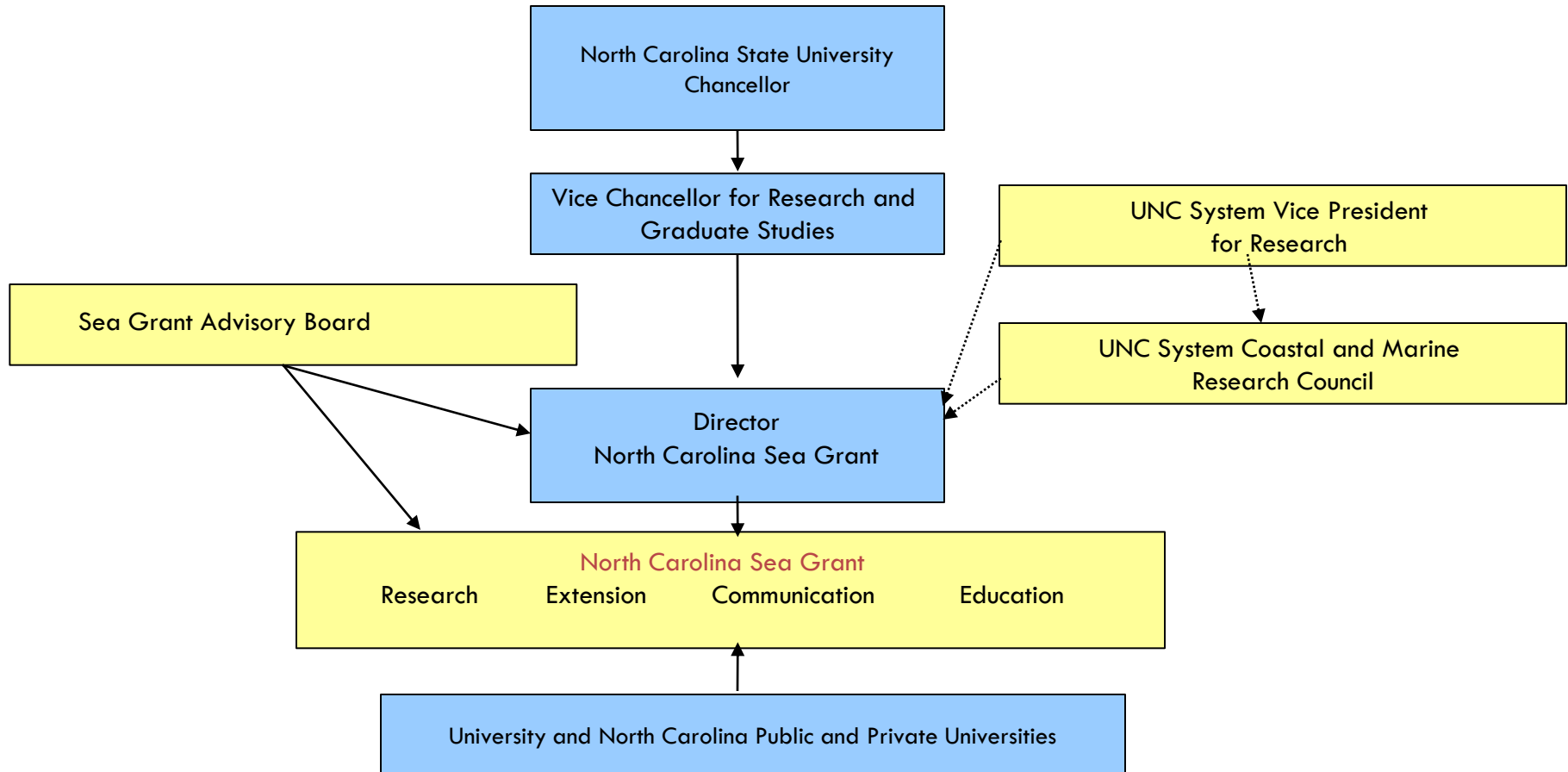
- Sea Grant Advisory Board
- Fishery Resource Grants Review Committee
- Blue Crab and Shellfish Research Panel
- Coastal Resources Law Center Advisory Board
- UNC Coastal and Marine Research Council
- NCSU Coastal and Marine Science Council
- *NOAA in the Carolinas* Steering Committee

(In addition, NCSG staff serve as advisers on over 30 formal advisory groups, not only providing guidance to those groups, but capturing their input/perspective for the benefit of NCSG programming)

Institutional Setting

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State Sea Grant Program Plan – Estimated 4-yr Budget Allocation per focus area

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National Focus Area	Focus Area from Program Strategic Plan	Estimated Level of Effort of Federal, Match and Leveraged (%)	Estimated Level of Effort of Federal and Match (\$000)	Estimated Level of Effort of Leveraged (\$000)
Safe & Sustainable Seafood Supply	Safe & Sustainable Seafood Supply	52	\$4,434	\$2,400
Sustainable Coastal Development	Sustainable Coastal Development	15	\$1,971	
Healthy Coastal Ecosystems	Healthy Coastal Ecosystems	25	\$2,463	\$800
Hazard Resiliency in Coastal Communities	Hazard Resiliency in Coastal Communities	8	\$985	
Total		100%	\$9,853	

Performance Measure/Outcome Highlights

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■ Strategic Plan Vision

- Most creative ideas and best researchers
- Integrated multidisciplinary and team approaches
- Cutting edge research
- Excellence in education and development of human resources
- Strong state and regional partnerships

■ Issues to be dealt with

- Aquaculture, aquatic invasive species, biotechnology, coastal communities and economies, coastal hazards, digital ocean, ecosystems and habitats, fisheries, marine and science literacy, seafood science and technology, urban coasts

□ Universities

- North Carolina State
- East Carolina University
- Duke University
- UNC Chapel Hill
- UNC Wilmington
- UNC Charlotte

□ NOAA

- NMFS, NOS, NWS, NURP, NCDC, NERRS, NSSL, *NOAA in Carolinas*, CSC, SECART, OCRM

□ State of North Carolina

- General Assembly, Dept. of Environmental and Natural Resources, Dept. of Ag. & Consumer Services, Dept. of Crime Control & Public Safety, Dept. of Cultural Resources

□ Community

- Big Sweep; local community seafood branding programs (Carteret, Outer Banks, Brunswick, Ocracoke)

2008/2009 Network Activities ^{NC SG}

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- Mike Voiland: SGA Delegate, Treasurer, ERC Chair;
Co-chair, National Sea Grant RIT Strategic
Planning Sub-team; Member, LA SG Research
Review Panel; Specific assistance to new SG
directors in VA and GA.
- Katie Mosher: past chair of SG Communications Network
- Jack Thigpen: past chair, SG Extension Assembly, and past chair of
SGA's Networks Advisory Council (NAC)
- Steve Rebach: past chair, SG Research Coordinators
- Lisa Schiavinato: secretary, SG National SCCD Network
- Jessica Whitehead: co-organizer, National SG Climate Change
Network Workshop, Charleston, 2009

2010 RFP Process

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- Sea Grant Core Research (Objectives matched to their mission & strategic plan)
 - Pre-proposals reviewed by relevancy panel
 - Full proposals solicited – due July; peer reviewed
 - Review panel – 7 out-of-state experts, plus outside SG director
- Fishery Resource Grant Program (State-funded, NCSG managed)
 - Focus Areas: fisheries equipment or gear; environmental pilot studies; aquaculture/mariculture; seafood technology
 - Must have industry collaborator or PI on funded projects
 - Staff review, out-of-state peer review, committee review
- Blue Crab and Shellfish Research Program (State-funded, NCSG managed)
 - Blue crab – 5 priority areas and 6 research topics
 - Shellfish – 5 priority areas and 30 research topics
 - Staff review, out-of-state peer review, committee review
- NMFS Marine Mammal Bycatch Research (NCSG managed for NMFS)
 - NMFS and NCSG staff review, out-of-state peer review, committee review
- NCSG-NC Water Resources Research Institute Research Project (Jointly-funded)
 - Staff review, out-of-state peer review, committee review

2008/2009 Program Metrics

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– Awards and Honors

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- *Coastwatch* took top honors in the regular publications category via the NC Association of Government Information Officers annual awards program
- "Cooking With the Chefs" program at the N.C. Seafood Festival earned "gold" ranking in awards announced by the International Festival & Events Association
- *Aquatic Invaders* wins Association of Zoos & Aquariums (AZA) Award and Coastal America Partnership Award
- Awarded an Apex Award of Excellence for improved Web site
- Marine education specialist Terri Kirby-Hathaway awarded NOAA Marine Sanctuaries "Volunteer of the Year" recognition for helping to bring a change in attitudes and opinions concerning ocean resources
- Fisheries specialist Bob Hines awarded state's top citizen honor (*Long Leaf Pine Award*)
- 2008 Governor's Conservation Achievement Award (*Natural Resource Agency of the Year*)
- Lisa Schiavinato received the Robert Knecht Award from The Coastal Society
- Researcher Jie Yu received a Early Career Award from NSF based upon Sea Grant-sponsored rip current research

2008/2009 Highlights of Metrics^{NC SG}

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- ❑ Staff – 25 individuals (22 FTEs)
- ❑ Large number of partners – 227 in total
 - 47 local and state
 - 45 academic
- ❑ Leveraged funds ~ \$2.3M
- ❑ Publications - 617; 365 media placements
- ❑ Education - 2,675 students reached, 129 supported
- ❑ Extension meeting attendance - 5,960

2008/2009 Program Impacts

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- Regional efforts – improved ecosystem-based management in the region via *NOAA in the Carolinas* and Southeast Atlantic Alliance
- Evaluated relative impact of erosion-control structure types; recommendations to be used for new state regulations
- Substantive improvements in hybrid striped bass aquaculture (national in scope); Southern flounder commercial aquacultural operation initiated
- Coastal Resources Law Center leads review of state's ocean policies, and also its coastal wind energy development laws/policies
- Coastal Growth Strategies Workshops for local leaders

Accomplishments

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- Stock structure of bottlenose dolphins off coastal Carolina in winter found to consist of 3 stocks; this research expected to impact determination of acceptable rates of dolphin by-catch mortality in NC
- First to demonstrate cell phone text messaging (*RecText*) as means to document recreational harvest data; pilot study expanded to fishing tournament use (via state grant support)

Best Management Practices

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- Highly functional, participatory management team, reflected in close working relationships across research, extension, communication, and fiscal components of the program
- Extension staff fully engaged in the research proposal review processes, participate in many actual research projects, and are located at marine research facilities managed by several different campuses/institutions
- Highly active/integrated with other NOAA and Sea Grant programs and activities in the region
- Well-established management practices & procedures are utilized to engage a broad spectrum of universities/campuses and their faculty/staff in research and outreach activities